

**94-0073**

The invention relates to the construction material industry, namely to the cement clinker production.

The purpose of the invention consists in providing the pyrometric control into the heat exchanger branches.

The raw cement material enter through a load pipe into the heat exchanger node from which the material flux is advanced into the load pipe of the heat exchanger of other branch for the evacuation gases. The raw material fluxes pass through the heat exchangers nodes of the gas evacuation branches, at the same time the raw material is heated from stage to stage. After the last preheating stage into the heat exchanger node the raw material flux enter through the load pipe into the reactor where the material is decarbonized. From the decarbonized the material is advanced back in two apart fluxes in correspondence it the evacuation gas pumping and fits through the separator into the burning furnace. the burned clinker is cooled into the refrigerator.